

**REMARKS**

Claims 1-72 are pending. Claims 1-49 are rejected under 35 U.S.C. § 103(a). New claims 50-72 have been added. Applicants have added a period after claims 18 and 43 and periods after claim numbers 27-29. These are not claim amendments, since the text of each claim is unchanged.

Examiner has rejected claims 1-49 under 35 U.S.C. § 103(a) as unpatentable over Terasawa et al. (U.S. Pat. No. 6,385,264) in view of UMTS FDD version 3.2.0 and TSG-RAN WG1 meeting #5 XP-002244434. Examiner states "the UMTS FDD and TSG-RAN WG1 meeting #5 define the secondary synchronization code constructed from a Hadamard sequences and a sequence z/Generalized Hierarchical Golay sequence PSC (UMTS FDD version 3.2.0 page 21-22, TSG-RAN WG1 meeting #5 XP-002244434 figure (2))." (para. 1, page 3, paper no. 5). Applicants believe this is a reference to limitations of claims 1-26 "circuitry for providing the secondary synchronization code in response to a second sequence and a third sequence; wherein the second sequence is selected from a plurality of sequences, wherein each of the plurality of sequences is orthogonal with respect to all other sequences in the plurality of sequences; and wherein the third sequence comprises a subset of bits from the first sequence" and claims 27-49 "providing the secondary synchronization code in response to a second sequence and a third sequence; and wherein the second sequence is selected from a plurality of sequences, wherein each of the plurality of sequences is orthogonal with respect to all other sequences in the plurality of sequences; and wherein the third sequence comprises a subset of bits from the first sequence." Examiner has not identified these claim limitations in the disclosure of Terasawa et al. Furthermore, applicants fail to find these limitations in the disclosure of Terasawa et al. Thus, applicants believe Examiner has incorrectly stated that "Terasawa et al. discloses all subject matter claimed." (para. 3, page 2, paper no. 5). If Examiner believes the above-recited claim limitations are disclosed by Terasawa et al., applicants respectfully request specific references by column and line number.

References UMTS FDD version 3.2.0 and TSG-RAN WG1 meeting #5 XP-002244434 are not prior art to the instant application. Attached declarations from Anand G. Dabak, Srinath Hosur,

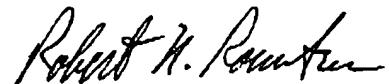
and Sundararajan Sriram, inventors of the instant application, show that TSG-RAN WG1 meeting #5 XP-002244434 is a product of their work and was submitted to 3GPP TSG RAN WG1 on May 26, 1999. Thus, TSG-RAN WG1 meeting #5 XP-002244434 is not prior art. Furthermore, both TSG-RAN WG1 meeting #5 XP-002244434 and U.S. Provisional Application No. 60/140,006 (TI-29347PS), Filed June 18, 1999, predate UMTS FDD version 3.2.0. Thus, UMTS FDD version 3.2.0 is not prior art.

The disclosure of Terasawa et al. is the only prior art reference cited in the present office action. (paper no. 5). Terasawa et al., however, fail to disclose the above referenced claim limitations for claims 1-49. Thus, applicants respectfully submit that claims 1-49 are patentable under 35 U.S.C. § 103(a).

New claims 50-57 and 64-68 recite "A method of encoding a synchronization code, comprising the steps of: producing a primary synchronization code comprising a first code sequence; producing a secondary synchronization code comprising a second code sequence *combined with a third code sequence.*" New claims 58-63 and 69-72 recite "A method of decoding a synchronization code, comprising the steps of: identifying a primary synchronization code comprising a first code sequence; identifying a secondary synchronization code comprising a second code sequence *combined with a third code sequence.*" (emphasis added). These limitations are not disclosed by Terasawa et al. as previously discussed. Thus applicants respectfully submit that new claims 50-72 are patentable.

In view of the foregoing, applicants respectfully request reconsideration of claims 1-49 and allowance of claims 1-72. If the Examiner finds any issue that is unresolved, please call applicants' attorney by dialing the telephone number printed below.

Respectfully submitted,



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